

Two-Phase Pumped Liquid Loop for Mobile Computer Cooling

ABSTRACT

According to one embodiment of the present invention, a cooling apparatus for notebook computer systems is disclosed. The apparatus includes: an evaporator coupled to a heat generating device to extract the generated heat away from the device, the device being installed inside a notebook computer; a heat exchanger coupled to the evaporator; a transport medium to flow inside the evaporator and the heat exchanger to transfer the generated heat from the device to the heat exchanger; and a pump attached to the evaporator and the heat exchanger to force the transport medium between the evaporator and the heat exchanger.